chain nodes :
    18 19
ring nodes :
    1   2   3   4   5   6   7   8   9   10 11 12 13 14 15 16 17 20 21 22 23 24 25 26 27
    28
chain bonds :
    14-19   17-18
ring bonds :
    1-2   1-6   2-3   3-4   4-5   4-7   5-6   5-9   7-8   8-9   8-10   9-13   10-11   11-12   11-14   12-13
    12-17   14-15   15-16   16-17   20-21   20-25   21-22   22-23   23-24   23-26   24-25   24-28   26-27
    27-28
exact/norm bonds :
    4-7   7-8   8-9   8-10   9-13   10-11   11-12   11-14   12-13   12-17   14-15   14-19   15-16   16-17
    17-18   23-26   24-28   26-27   27-28
exact bonds :
    5-9
normalized bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   20-21   20-25   21-22   22-23   23-24   24-25
isolated ring systems :
    containing 1 :

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:Atom   13:Atom   14:Atom   15:Atom   16:Atom   17:Atom   18:CLASS   19:CLASS   20:Atom
    21:Atom   22:Atom   23:Atom   24:Atom   25:Atom   26:Atom   27:Atom   28:Atom   29:CLASS

10/031463

```
=> s l1
SAMPLE SEARCH INITIATED 15:57:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     16 TO ITERATE

100.0% PROCESSED      16 ITERATIONS                        7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:            80 TO       560
PROJECTED ANSWERS:                7 TO       298

L3            7 SEA SSS SAM L1

=> d l3 1-7
```
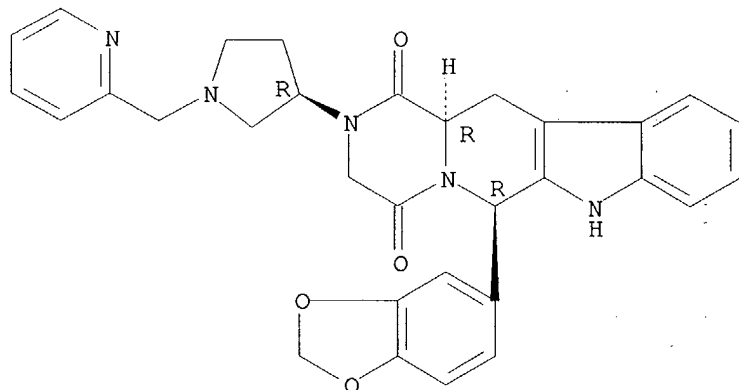
L3   ANSWER 1 OF 7   REGISTRY   COPYRIGHT 2003 ACS on STN
RN   574730-08-8   REGISTRY
CN   Pyrazino[1',2':1,6]pyrido[3,4-b]indole-1,4-dione, 6-(1,3-benzodioxol-5-yl)-
      2,3,6,7,12,12a-hexahydro-2-[(3R)-1-(2-pyridinylmethyl)-3-pyrrolidinyl]-,
      (6R,12aR)- (9CI)   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C31 H29 N5 O4
SR   CA
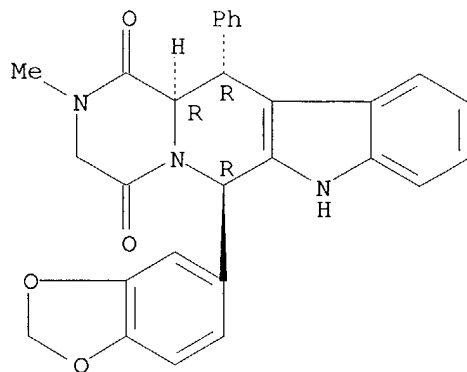LC   STN Files: CA, CAPLUS

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 2 OF 7   REGISTRY   COPYRIGHT 2003 ACS on STN
RN   477978-88-4   REGISTRY
CN   Pyrazino[1',2':1,6]pyrido[3,4-b]indole-1,4-dione, 6-(1,3-benzodioxol-5-yl)-
      2,3,6,7,12,12a-hexahydro-2-methyl-12-phenyl-, (6R,12R,12aR)-rel- (9CI)
      (CA INDEX NAME)
FS   STEREOSEARCH
MF   C28 H23 N3 O4
SR   CA
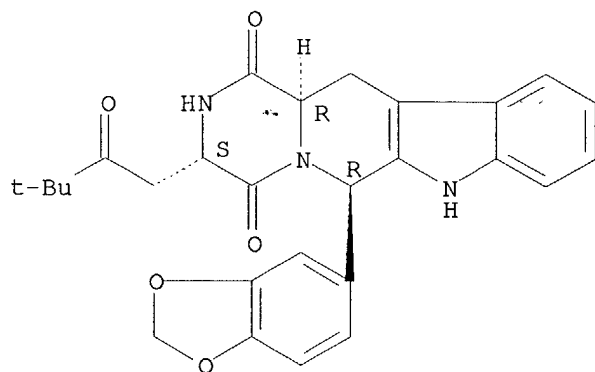LC   STN Files: CA, CAPLUS

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

      1 REFERENCES IN FILE CA (1907 TO DATE)
      1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 3 OF 7 REGISTRY   COPYRIGHT 2003 ACS on STN
RN   395665-80-2 REGISTRY
CN   Pyrazino[1',2':1,6]pyrido[3,4-b]indole-1,4-dione, 6-(1,3-benzodioxol-5-yl)-
      3-(3,3-dimethyl-2-oxobutyl)-2,3,6,7,12,12a-hexahydro-, (3S,6R,12aR)- (9CI)
      (CA INDEX NAME)
FS   STEREOSEARCH
MF   C27 H27 N3 O5
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL
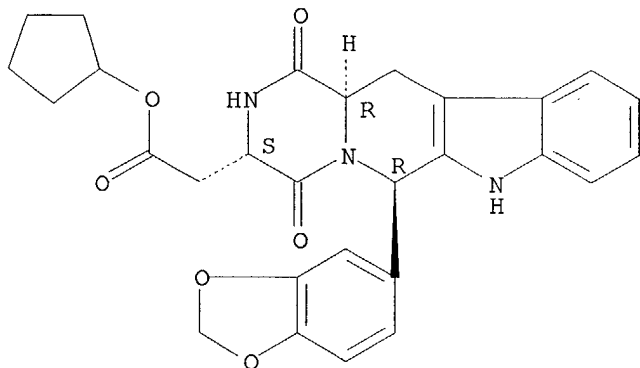
Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 4 OF 7   REGISTRY   COPYRIGHT 2003 ACS on STN
RN   395665-78-8   REGISTRY
CN   Pyrazino[1',2':1,6]pyrido[3,4-b]indole-3-acetic acid, 6-(1,3-benzodioxol-5-
     yl)-1,2,3,4,6,7,12,12a-octahydro-1,4-dioxo-, cyclopentyl ester,
     (3S,6R,12aR)- (9CI)   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C28 H27 N3 O6
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL
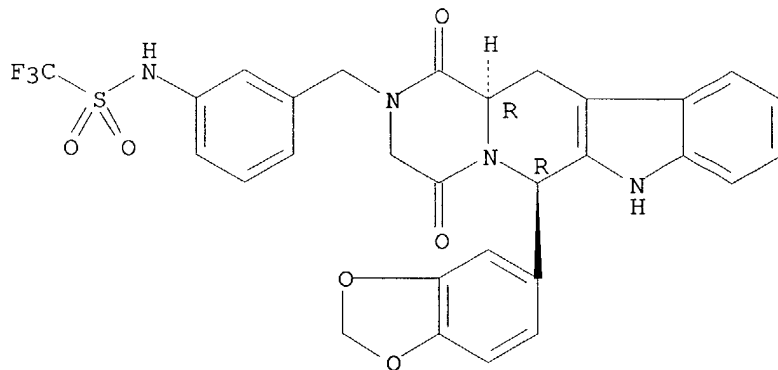
Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 5 OF 7   REGISTRY   COPYRIGHT 2003 ACS on STN
RN   385770-93-4   REGISTRY
CN   Methanesulfonamide, N-[3-[[(6R,12aR)-6-(1,3-benzodioxol-5-yl)-
      3,4,6,7,12,12a-hexahydro-1,4-dioxopyrazino[1',2':1,6]pyrido[3,4-b]indol-
      2(1H)-yl]methyl]phenyl]-1,1,1-trifluoro- (9CI)   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C29 H23 F3 N4 O6 S
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL
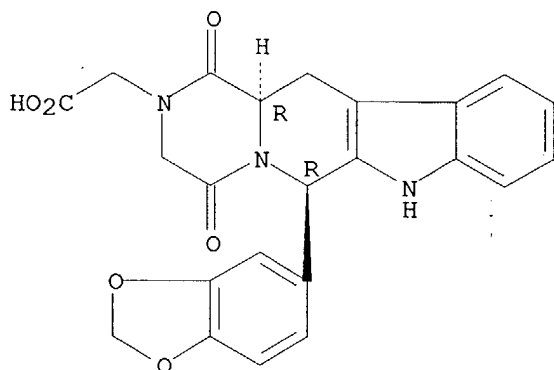
Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 6 OF 7 REGISTRY COPYRIGHT 2003 ACS on STN
RN   385770-82-1 REGISTRY
CN   Pyrazino[1',2':1,6]pyrido[3,4-b]indole-2(1H)-acetic acid,
      6-(1,3-benzodioxol-5-yl)-3,4,6,7,12,12a-hexahydro-1,4-dioxo-, (6R,12aR)-
      (9CI) (CA INDEX NAME)
FS   STEREOSEARCH
MF   C23 H19 N3 O6
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

      1 REFERENCES IN FILE CA (1907 TO DATE)
      1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3   ANSWER 7 OF 7 REGISTRY COPYRIGHT 2003 ACS on STN
RN   385770-34-3   REGISTRY
CN   Pyrazino[1',2':1,6]pyrido[3,4-b]indole-2(1H)-butanamide,
      6-(1,3-benzodioxol-5-yl)-N-cyclohexyl-3,4,6,7,12,12a-hexahydro-1,4-dioxo-,
      (6R,12aR)- (9CI)   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C31 H34 N4 O5
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

10/031463

```
=> s l1 sss full
FULL SEARCH INITIATED 15:58:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    379 TO ITERATE

100.0% PROCESSED     379 ITERATIONS                    207 ANSWERS
SEARCH TIME: 00.00.01

L4            207 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                       SINCE FILE       TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                          160.71         160.92

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  substance identification.


=> s l4
L5            79 L4

=> d l5 1-79 bib abs hit str
'STR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
```

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PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
                    SCAN must be entered on the same line as the DISPLAY,
                    e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, IPC, and NCL

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

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HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
                    containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
                    its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
                    structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
                    its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
                    structure diagram, plus NTE and SEQ fields
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OCC --------- Number of occurrence of hit term and field in which it occurs
```

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